Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Previously Presented) A system for medical monitoring of a patient at a customer patient premises, the system comprising:

a medical-data collection device that collects medical data from the patient, wherein the medical-data collection device is interfaced with a transport medium internal to the customer patient premises; and

a network interface device disposed at a perimeter of the residential patient premises, the network interface device having:

an isolation device adapted to isolate the transport medium internal to the customer premises from a transport medium external to the customer premises such that operational changes to one of the internal and external transport media do not affect the other of the internal and external transport media;

a first interface coupled with the isolation device and adapted to communicate with the external transport medium, wherein the external transport medium is in communication with a distribution point;

a second interface coupled with the isolation device and adapted to communicate with the internal transport medium; and

a plurality of microservers disposed external to the customer premises and coupled with the first and second interfaces, wherein the plurality of microservers are adapted to receive information from the external transport medium and includes software and hardware for implementing a first medical-monitoring microserver to process the collected medical data and a second medical-monitoring microserver to exchange the data between the internal transport medium and the external transport medium wherein the plurality of microservers are plug-and-play combatable such that any of the plurality

of microservers are configured to be able to be added and/or removed from the network interface device at any time and without configuration, and wherein the plurality of microservers are integrated in the network interface device;

a processor in communication with the plurality of microservers and having software instructions to coordinate transmission of the collected medical data over the transport medium external to the residential patient premises;

wherein the isolation device is further adapted to provide communications security by preventing a microserver from accessing communications information which is associated with another microserver.

2. (Previously Presented) The network interface device recited in claim 1 wherein the isolation device and the plurality of microservers are disposed within a common housing.

3. (Original) The network interface device recited in claim 2 wherein the common housing is disposed on an exterior wall of the customer premises.

4. (Previously Presented) The network interface device recited in claim 1 further comprising an addressable application device coupled with the plurality of microservers, wherein the addressable application device is adapted to receive the processed telecommunication information and to execute a defined application as an aid to implementing the functions over the internal transport medium.

5. (Original) The network interface device recited in claim 4 wherein the addressable application device is disposed external to the customer premises.

6. (Previously Presented) The network interface device recited in claim 5 wherein the isolation device, plurality of microservers, and addressable application device are disposed within a common housing.

7. (Currently Amended) The network interface device recited in claim 1 ~~wherein the~~ further comprising an authentication microserver [[is]] adapted to verify that the microserver functions are authorized for the customer premises.

8. (Currently Amended) The network interface device recited in claim 1 ~~wherein the~~ further comprising a file-transfer microserver is adapted to transfer an electronic file of information to or from the network interface device.

9. (Currently Amended) The network interface device recited in claim 1 ~~wherein the~~ further comprising a dynamic host configuration protocol microserver is adapted to manage an internet-protocol address assignment to a device coupled with the internal transport medium.

10. (Original) The network interface device recited in claim 9 wherein the internet-protocol address assignment comprises a public internet-protocol address assignment.

11. (Original) The network interface device recited in claim 9 wherein the internet-protocol address assignment comprises a private internet-protocol address assignment.

12. (Previously Presented) The network interface device recited in claim 1 wherein the plurality of microservers comprise a code-processing microserver adapted to receive code and process the code for use by another component of the network interface device.

13. (Previously Presented) The network interface device recited in claim 12 wherein the webserver microserver is adapted to render a display of incoming web-page information suitable for presentation with a web-browser enabled device.

14. (Previously Presented) The network interface device recited in claim 1 wherein the plurality of microservers comprise an email alert microserver adapted to initiate an alert in response to receipt of an email message at an email account.

15. (Previously Presented) The network interface device recited in claim 1 wherein the plurality of microservers comprise an instant-messenger microserver adapted to provide instant-messaging functionality over the internal transport medium.

16. (Previously Presented) The network interface device recited in claim 1 wherein the plurality of microservers comprise: a webserver microserver adapted to render a display of web-page information suitable for presentation with a web-browser enabled device; and an advertising microserver adapted to overlay an advertisement over the display of web-page information.

17. (Previously Presented) The network interface device recited in claim 1 wherein the plurality of microservers comprise a wireless microserver adapted to provide an interface between wireless communications within the customer premises to the external transport medium.

18. (Previously Presented) The network interface device recited in claim 1 wherein the plurality of microservers comprise an RF power-level microserver adapted to monitor an RF power level of telecommunication information received at the first interface.

19. (Previously Presented) The network interface device recited in claim 1 wherein the plurality of microservers comprise a test-access microserver adapted to verify proper functioning of another component of the network interface device.

20. (Previously Presented) The network interface device recited in claim 1 further comprising a webserver microserver coupled with the plurality of microservers and adapted to provide a customer-based graphical user interface for implementing software configuration changes of the microserver.

21. (Previously Presented) The network interface recited in claim 1 further comprising upgradeable firmware that supports the plurality of microservers.

22. (Previously Presented) A method for providing telecommunication information to a transport medium internal to a customer premises, the method comprising:

monitoring a patient at the customer patient premises;

collecting medical data from the patient, wherein the medical-data collection device is interfaced with a transport medium internal to the customer patient premises;

isolating the internal transport medium from a transport medium external to the customer premises such that operational changes to one of the internal and external transport media do not affect the other of the internal and external transport-media;

receiving the telecommunication information from the external transport medium; selectively processing the received telecommunication information with a microserver disposed external to the customer premises;

implementing a plurality of microservers including software and/or hardware for implementing a first medical-monitoring microserver to process the collected medical data and a second medical-monitoring microserver to exchange the data between the internal transport medium and the external transport medium, wherein the plurality of microservers are plug-and-play combatable such that any of the plurality of microservers are configured to be able to be added and/or removed from the network interface device at any time and without configuration, and wherein the plurality of microservers are integrated in the network interface device;

communicating with the plurality of microservers to coordinate transmission of the collected medical data over the transport medium external to the residential patient premises; and

providing communications security by preventing a microserver from accessing communications information which is associated with another microserver.

23. (Previously Presented) The method recited in claim 22 further comprising transmitting the processed telecommunication information to an addressable application device disposed external to the customer premises, wherein implementing the plurality of microservers functions comprises implementing an application over the internal transport medium with the addressable application device.

24. (Previously Presented) The method recited in claim 22 wherein selectively processing the received telecommunication information with the plurality of microservers comprise verifying that the microserver functions are authorized for the customer premises with an authentication microserver.

25. (Previously Presented) The method recited in claim 22 wherein selectively processing the received telecommunication information with the plurality of microservers comprise transferring an electronic file of information with a file-transfer microserver.

26. (Previously Presented) The method recited in claim 22 wherein selectively processing the received telecommunication information with the plurality of microservers comprise managing an internet-protocol address assignment to a device coupled with the internal transport medium with a dynamic host configuration protocol microserver.

27. (Previously Presented) The method recited in claim 22 wherein selectively processing the received telecommunication information with the plurality of microservers comprise receiving code and processing the code for use in implementing the microserver functions with a code-processing microserver.

28. (Previously Presented) The method recited in claim 27 wherein selectively processing the received telecommunication information with the plurality of microservers further comprise rendering a display of incoming web-page information suitable for presentation with a web-browser enabled device with a webserver microserver.

29. (Previously Presented) The method recited in claim 22 wherein selectively processing the received telecommunication information with the plurality of microservers comprise initiating an alert in response to receipt of an email message at an email account with an email alert microserver.

30. (Previously Presented) The method recited in claim 22 wherein selectively processing the received telecommunication information with the plurality of microservers comprise providing instant-messaging functionality over the internal transport medium with an instant-messenger microserver.

31. (Previously Presented) The method recited in claim 22 wherein selectively processing the received telecommunication information with the plurality of microservers comprise: rendering a display of web-page information suitable for presentation with a web-browser device with a webserver microserver; and overlaying an advertisement over the display of web-page information with an advertising microserver.

32. (Previously Presented) The method recited in claim 22 wherein selectively processing the received telecommunication information with the plurality of microservers comprise providing an interface between wireless communications within the customer premises to the external transport medium with a wireless microserver.

33. (Previously Presented) The method recited in claim 22 wherein selectively processing the received telecommunication information with the plurality of microservers comprise monitoring an RF power level of the telecommunication information received from the external transport medium with an RF power-level microserver.

34. (Previously Presented) The method recited in claim 22 wherein selectively processing the received telecommunication information with the plurality of microservers comprise providing a customer-based graphical user interface for implementing configuration changes of software governing how the received telecommunication information is selectively processed.

35. (Previously Presented) A network interface device comprising:

means for monitoring a patient at the customer patient premises;

means for collecting medical data from the patient, wherein the medical-data collection device is interfaced with a transport medium internal to the customer patient premises;

means for isolating the internal transport medium from a transport medium external to the customer premises such that operational changes to one of the internal and external transport media do not affect the other of the internal and external transport-media;

means for receiving the telecommunication information from the external transport medium; selectively processing the received telecommunication information with a microserver disposed external to the customer premises;

means for implementing a plurality of microservers including software and/or hardware for implementing a first medical-monitoring microserver to process the collected medical data and a second medical-monitoring microserver to exchange the data between the internal transport medium and the external transport medium, wherein the plurality of microservers are plug-and-play combatable such that any of the plurality of microservers are configured to be able to be added and/or removed from the network interface device at any time and without configuration, and wherein the plurality of microservers are integrated in the network interface device;

means for communicating with the plurality of microservers to coordinate transmission of the collected medical data over the transport medium external to the residential patient premises; and

means for providing communications security by preventing a microserver from accessing communications information which is associated with another microserver.

36. (Previously Presented) The network interface device recited in claim 35 wherein the means for selectively processing the received telecommunication information comprises means for verifying that the microserver functions are authorized for the customer premises.

37. (Original) The network interface device recited in claim 35 wherein the means for selectively processing the received telecommunication information comprises means for transferring an electronic file of information to or from the network interface device.

38. (Original) The network interface device recited in claim 35 where in the means for selectively processing the received telecommunication information comprises means for managing an internet-protocol address assignment to a device coupled with the internal transport medium.

39. (Original) The network interface device recited in claim 35 wherein the means for selectively processing the received telecommunication information comprises means for receiving code and for processing the code for use by another component of the network interface device.

40. (Original) The network interface device recited in claim 35 wherein the means for selectively processing the received telecommunication information comprises means for rendering a display of incoming web-page information suitable for presentation with a web-browser enabled device.

41. (Original) The network interface device recited in claim 35 wherein the means for selectively processing the received telecommunication information comprises means for initiating an alert in response to receipt of an email message at an email account.

42. (Original) The network interface device recited in claim 35 wherein the means for selectively processing the received telecommunication information comprises means for providing instant-messaging functionality over the internal transport medium.

43. (Original) The network interface device recited in claim 35 wherein the means for selectively processing the received telecommunication information comprises: means for rendering a display of web-page information suitable for presentation with a web-browser device; and means for overlaying an advertisement over the display of web-page information.

44. (Original) The network interface device recited in claim 35 wherein the means for selectively processing the received telecommunication information comprises

means for providing an interface between wireless communications within the customer premises to the external transport medium.

45. (Original) The network interface device recited in claim 35 wherein the means for selectively processing the received telecommunication information comprises means for monitoring an RF power level of the telecommunication information received from the external transport medium.

46. (Original) The network interface device recited in claim 35 wherein the means for selectively processing the received telecommunication information comprises means for providing a customer-based graphical user interface for implementing software changes of the means for selectively processing.